

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\  
 Data File : VW009398.D  
 Acq On : 23 Mar 2019 19:21  
 Operator : SY/VA  
 Sample : K2062-02  
 Misc : 2.96G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0G9

Manual Integrations  
 APPROVED

MMDadoda  
 3/25/2019 8:33:33 AM

Quant Time: Mar 24 00:19:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 23:52:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 317397   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 288089   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 107142   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 82747    | 21.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 86734    | 19.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 132325   | 16.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.56%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 90593    | 57.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.50% |
| 24) Chloroform-d               | 7.65   | 84    | 201191   | 23.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 126475   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.96%  |
| 29) Benzene-d6                 | 8.27   | 84    | 347868   | 21.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 114710   | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 294671   | 20.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48748    | 20.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 64918    | 56.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123942   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.48% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 96780    | 23.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.24%  |

| Target Compounds       |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 19360 | 15.051 ug/L | 99     |
| 16) Methylene chloride | 4.92 | 84 | 6328m | 1.367 ug/L  |        |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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